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*The Public Service Commission  
State of South Carolina*

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COMMISSIONERS  
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May 14, 2004

Honorable Bruce F. Duke  
Executive Director  
Public Service Commission of  
South Carolina  
P.O. Drawer 11649  
Columbia, S.C. 29211

RE: Docket No. 2000-366-A – Application of Chem-Nuclear Systems, LLC  
for Approval of Allowable Costs

Dear Mr. Duke:

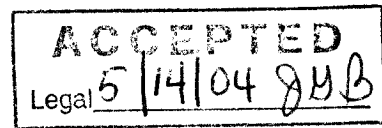
Enclosed for filing, please find an original and ten (10) copies of the proposed Order of the Commission Staff in the above-captioned Docket. By copy of this letter, I certify that all parties of record have been served with copies of this proposed Order.

Thank you for your consideration in this matter.

Sincerely,

F. David Butler  
General Counsel

FDB:dd  
Enclosure:  
cc: All Parties of Record



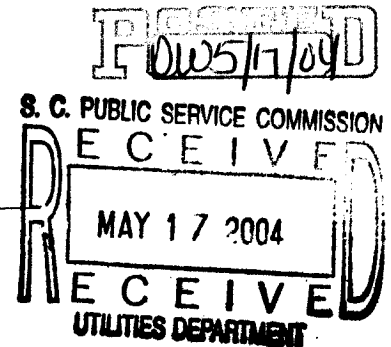
BEFORE

THE PUBLIC SERVICE COMMISSION OF

SOUTH CAROLINA

DOCKET NO. 2000-366-A - ORDER NO. 2004-

MAY 14, 2004



IN RE: Application of Chem-Nuclear Systems, LLC ) PROPOSED ORDER  
for Approval of Allowable Costs. ) IDENTIFYING  
 ) ALLOWABLE COSTS

### I. INTRODUCTION

This matter comes before the Public Service Commission of South Carolina (the Commission) on the Application of Chem-Nuclear Systems, LLC (Chem-Nuclear or the Company) on a proceeding for approval of allowable costs as required under the provisions of the Atlantic Interstate Low-Level Radioactive Waste Compact Implementation Act (the Act), codified as S.C. Code Ann. Section 48-46-10 et seq. (Supp. 2003). Pursuant to Section 48-46-40(B), this Commission is authorized and directed to identify allowable costs for operating a regional low-level radioactive waste disposal facility in South Carolina.

The provisions of the Act extensively govern the relationship between the State of South Carolina and operators of facilities for the disposal of low-level radioactive waste in a comprehensive economic regulatory program. Fundamentally, the Act implements the State's membership in the "Atlantic Low-Level Radioactive Waste Compact" (the Compact) and authorizes the manner in which the State will participate in the Compact, along with the States of Connecticut and New Jersey, which are the other members of the

Compact. S.C. Code Ann. § 48-46-20 (Supp. 2003). The Atlantic Compact Act establishes a schedule of declining annual, maximum volumes of low-level radioactive waste from generators in states within and without the Compact to be disposed at the facility within South Carolina. S.C. Code Ann. § 48-46-40(A)(6)(a) (Supp. 2003). The Act provides for the establishment of rates for the disposal of waste within South Carolina, establishes certain fees for various purposes, and makes disposition of revenues generated by the disposal operations of facilities subject to the provisions of the Act.

Among other things, the Act imposes a form of shared responsibility for economic regulation between the Budget and Control Board (the Board) and the Commission. The Board sets the rates for disposal of low-level radioactive waste at any facility located in South Carolina. S.C. Code Ann. § 48-46-40(A) (Supp. 2003). Upon the Board's implementation of initial disposal rates, the Commission is authorized and directed to identify "allowable costs" for operating a regional low-level radioactive waste disposal facility in the State. S.C. Code Ann. § 48-46-40(B)(1). In fulfilling that responsibility, the Commission must (a) prescribe a system of accounts, using generally accepted accounting principles ("GAAP"), using an operator's existing accounting system as the "starting point"; (b) audit site operators' books and records associated with disposal operations; (c) assess penalties for failures to comply with the Commission's applicable regulations; and (d) require periodic reports from site operators. S.C. Code Ann. § 48-46-40(B)(2) (Supp. 2003).

The Act defines "allowable costs" as those "costs to a disposal site operator of operating a regional disposal facility." S.C. Code Ann. § 48-46-30(1) (Supp. 2003). In

addition to that definition, the Act specifies that “[a]llowable costs include the costs of those activities necessary for:

- (a) the receipt of waste;
- (b) the construction of disposal trenches, vaults, and overpacks;
- (c) construction and maintenance of necessary physical facilities;
- (d) the purchase or amortization of necessary equipment;
- (e) purchase of supplies that are consumed in support of waste disposal activities;
- (f) accounting and billing for waste disposal;
- (g) creating and maintaining records related to disposed waste;
- (h) the administrative costs directly associated with disposal operations including, but not limited to, salaries, wages, and employee benefits;
- (i) site surveillance and maintenance required by the State of South Carolina, other than site surveillance and maintenance costs covered by the balance of funds in the decommissioning trust fund or the extended care maintenance fund;
- (j) compliance with the license, lease, and regulatory requirements of all jurisdictional agencies;
- (k) administrative costs associated with collecting the surcharges provided for in subsections (B) and (C) of Section 48-46-60;
- (l) taxes other than income taxes;
- (m) licensing and permitting fees; and
- (n) any other costs directly associated with disposal operations determined by the [Commission] to be allowable.”

The Act also expressly excludes from “allowable costs” the costs of “activities associated with lobbying and public relations, clean-up and remediation activities caused by errors or accidents in violation of laws, regulations, or violations of the facility operating license or permits, activities of the site operator not directly in support of waste disposal, and

other costs determined by the [Commission] to be unallowable.” S.C. Code Ann. § 48-46-40(B)(3) (Supp. 2003).

The Commission may use any standard, formula, method, or theory of valuation reasonably calculated to arrive at the objective of identifying allowable costs associated with waste disposal. S.C. Code Ann. § 48-46-40(B)(8) (Supp. 2003).

The Act entitles a private operator of a regional disposal facility in South Carolina to charge an operating margin of 29%. S.C. Code Ann. § 48-46-40(B)(5) (Supp. 2003). (The present regional disposal facility in South Carolina is located in Barnwell County, South Carolina. The facility shall hereinafter be known as the facility at Barnwell.) The operating margin is applied to the total amount of the operator’s “allowable costs” which the Commission has identified, excluding the “allowable costs” for taxes and the licensing and permitting fees paid to governmental entities (*i.e.*, those “allowable costs” described in Section 48-46-40(B)(3)(l) and (m)). S.C. Code Ann. § 48-46-40(B)(3) (Supp. 2003).

Under the Act, the “allowable costs” and operating margin affect the amount of revenue which a site operator annually pays to the State of South Carolina. Under Section 48-46-40(D)(1), at the conclusion of the fiscal year, a site operator pays to the South Carolina Department of Revenue an amount equal to the total revenues received for waste disposal in that fiscal year (with interest accrued on cash flows in accordance with instructions from the State Treasurer) less its allowable costs, less the statutory 29% operating margin, and less any payments the site operator had previously made during the fiscal year for reimbursement of certain administrative costs which the Board, the

Commission, the State Treasurer and the Atlantic Compact Commission had incurred in satisfaction of those agencies' responsibilities under the Act. *See* S.C. Code Ann. § 48-46-60(B) and (C) (Supp. 2003).

The Act also allows a site operator to file an application for adjustment in the levels of previously identified "allowable costs" or for the identification of "allowable costs" which the Commission had not previously identified. S.C. Code Ann. § 48-46-40(B)(4) (Supp. 2003). The site operator must file such application within 90 days of the conclusion of a fiscal year. If the Commission grants the requested relief in the application, the Act requires the Commission to authorize the site operator "to adjust 'allowable costs' for the current fiscal year so as to compensate the site operator for revenues lost during the previous fiscal year." *Id.*

S.C. Code Ann. Section 48-46-40 (B)(9) identifies certain specific parties to the proceeding. This section of the Act states that the Budget and Control Board shall participate as a party representing the interests of the State of South Carolina, and the Atlantic Compact Commission (the Compact Commission) may participate as a party representing the interest of the compact states. In addition, the section directs that the Consumer Advocate and the Attorney General of the State of South Carolina (the Attorney General) shall be parties. Further, representatives from the Department of Health and Environmental Control (DHEC) shall participate in proceedings where necessary to determine or define the activities that a site operator must conduct in order to comply with the regulations and license conditions imposed by the department. The

Act also states that other parties may participate in the proceeding upon satisfaction of standing requirements and compliance with the Commission's procedures.

In the present proceeding, the Commission's Executive Director directed the Applicant to publish a Notice of Filing in newspapers of general circulation one time, advising the members of the public of how to participate in the proceedings. The Company furnished affidavits to show that it had complied with the instructions of the Executive Director. Parties of record in this case are as follows: Chem-Nuclear Systems, LLC, the South Carolina Budget and Control Board, the Consumer Advocate for the State of South Carolina (the Consumer Advocate), the Attorney General of the State of South Carolina, the South Carolina Department of Health and Environmental Control, the Atlantic Compact Commission, South Carolina Electric & Gas Company (SCE&G), Duke Power, and the Commission Staff (the Staff).

A hearing was held on April 7, 2004 in the offices of the Commission. The Honorable Mignon Clyburn, Chairman, presided. Chem-Nuclear was represented by Robert T. Bockman, Esquire. The Board was represented by David K. Avant, Esquire and Robert E. Merritt, Esquire. The Consumer Advocate was represented by Hana Pokorna-Williamson, Esquire. The Commission Staff was represented by F. David Butler, General Counsel. The Atlantic Compact Commission, the Attorney General, DHEC, SCE&G, and Duke Power did not appear at the hearing.

Chem-Nuclear presented the testimony of Regan E. Voit, Mark A. Childs, and Carol Ann Hurst. The Staff presented the testimony of William P. Blume.

## **II. DISCUSSION**

In Order No. 2001-499, this Commission found that reductions in fixed and variable costs should result from reductions in the waste stream to the Chem-Nuclear facility. To quantify these future cost reductions, Chem-Nuclear was directed to provide to this Commission an “operations and efficiency plan” or OEP Plan for the Barnwell facility prepared by an independent, qualified party. The plan was to identify least-cost operating strategies for future years including, but not limited to, personnel requirements for disposal services, and optimal vault and trench configurations for determination of allowable variable costs. Any request for proposal was to be submitted to the Commission for approval prior to initiation of any proposed work. Under Order No. 2001-499, the plan was to be completed prior to June 30, 2002, and the findings and recommendations of the plan were to be reviewed and considered by the Commission in subsequent hearings regarding allowable and fixed costs. See Order No. 2001-499 at 29-30. This Commission approved a Request for Proposal (RFP) in Order No. 2002-1. The Commission found that the RFP criteria were appropriate in allowing a contractor to develop the proper plan outline to assist the Company in the development of the required least-cost operating strategies for the future. On June 26, 2002, Chem-Nuclear filed the OEP with this Commission. However, Chem-Nuclear and the Board filed a letter and Joint Statement on December 2, 2002, in which they requested that the Commission defer consideration of the Plan past the proceeding presently before the Commission. The Compact Commission ultimately filed a letter in support of the Joint Statement. The Commission Staff stated in its letter of December 17, 2002, that it had no objection to the



Commission's approval of the Joint Statement, but that Staff wanted to employ certain financial tools as described in the OEP for purposes of forecasting allowable costs as of the end of fiscal year 2002-2003. Staff further opined that if the OEP was tabled for the present proceeding, the cost of the OEP should be deferred or only a partial reimbursement should be allowed for recovery during the next fiscal year. (See Hearing Exhibit 1.)

Subsequently, Order No. 2003-188 required a collaborative review of the OEP, with all parties being given a chance to participate. Order No. 2003-537 defined the recommendations that the parties made in the report of the collaborative review. Chem-Nuclear states that it applied those recommendations in preparation of its Application in this case for identification of allowable costs for Fiscal Year 2003-2004. See Direct testimony of Regan Voit, Tr. at 15.

Ultimately, Chem-Nuclear presented its requested allowable costs for Fiscal Year 2003-2004 in the three categories which were defined in the report of the collaborative review. The categories are fixed costs, variable costs, and irregular costs. The seven cost categories specified in the OEP were consolidated to establish the three categories. Id.

Voit explained that the fixed costs in the Company's Application for Fiscal Year 2003-2004 are the fixed costs identified in the Report of Collaborative Review of the OEP (the Report), adjusted for pay increases, correction of fringe rate, and adjusted for inflation on materials and supplies. Tr. at 16. Variable material costs are defined in the Report as the costs of concrete disposal vaults and the amortization of trench construction costs for disposal trenches built before Fiscal Year 2002-2003. The Report, according to

Voit, specifies five variable waste dependent labor rates, each based on activities associated with the disposal of waste at the Barnwell facility. Tr. at 17. Irregular costs are described in the Report as typically not recurring costs. Some examples are costs associated with one-of-a-kind waste shipments, regulatory compliance projects or special site maintenance projects. Id.

Voit pointed out that the basic activities that occur from year-to-year at the Barnwell facility as pointed out in the OEP and the Collaborative Review of the OEP do not cover variations in weather, or changes in the marketplace that might impact site operations. As part of the collaborative review process, all parties decided that costs associated with such considerations would be handled as irregular costs in the future. In the present case, Chem-Nuclear is therefore requesting coverage of work started on storm water management improvement to prevent storm water runoff onto adjacent property, work to connect to new water facilities and for sewer management, and costs due to the heavy rainfall received during the latter half of the fiscal year, such as increased site maintenance, active trench water management, and the additional grading of on-site roads and surface water management features. Tr. at 18-19.

Voit also notes that the Retention Compensation Plan for Fiscal Year 2003-2004 is essentially the same as the one approved by the Commission for Fiscal Year 2002-2003, although various minor modifications have been made. Tr. at 19-20.

Lastly, Voit proposed recovery of the remaining \$123,698 cost that was incurred in 2002 for preparing the OEP.

Voit also presented rebuttal testimony to Commission Staff witness William P. Blume. Chem-Nuclear took issue with Staff's Adjustment # 2, which is related to direct labor for fiscal year 2002-2003. The Company was in agreement with the first part of the adjustment, which was identified as a \$1,125 reduction, however, the Company disputed the second part of the adjustment, which amounted to a reduction of \$57,058 in direct costs. Tr. 22-23.

Further, in additional rebuttal testimony, Voit took issue with the Commission Staff's adjustment to the cost to fabricate the skid that was utilized to transport the 950-ton Maine Yankee Reactor Pressure Vessel (RPV) to Barnwell and to support it in the disposal trench. The Company had proposed an amount of \$191,248, which was one-half the cost of fabricating the skid. Tr. at 24. The Staff proposed an adjustment of \$26,354 to direct materials to account for the skid. Tr. at 185. In addition, the Company, through Voit, questioned elimination of the recovery of \$123,698 in expenses associated with the OEP Plan. Voit also opposed Staff's recommendation to lower the amount of fixed costs by \$146,678, and its recommended reduction to fixed labor costs.

Mark A. Childs, Project Manager and Senior Environmental Cost Engineer with Project Time & Cost, Inc. (PT&C) also testified for Chem-Nuclear. Childs' testimony described PT&C's responsibilities in the planning, development and preparation of the OEP. Childs testified that PT&C employed basic ABC methodology and that said methodology can be broken down into five steps: scope definition, determination of tasks, identification of activities, resource requirement, and compilation of cost. Ultimately, after a collaborative review of the OEP, the cost categories found in the plan

were broken down to the three categories mentioned by Voit's testimony: fixed costs, variable costs, and irregular costs. Finally, Childs testified regarding eight recommendations found in the OEP Plan. Tr. at 88-103.

Carol Ann Hurst was the final witness for Chem-Nuclear. Ms. Hurst testified as to the financial information provided by the Company's Application, and she described the methodology used by the Company in its accounting procedures. Tr. at 124-144.

William P. Blume, Audit Department Manager testified for the Commission Staff. Blume stated that the Audit Department examined the records of the Company to determine the proposed allowable costs for recovery for the period ending June 30, 2003, the projected costs for the period ending June 30, 2004, and the adequacy of the Cost Point System for accounting now being used by the Company.

With regard to the Cost Point System, Blume noted that Staff did several desk audits during the year, and visited the Company in June 2003 to make an on-site audit of the information furnished by the company using the Cost Point system of accounts. Blume opined that the Cost Point system far exceeds the abilities of the former J.D. Edwards system, and that much more detailed information will result from the change in systems. Tr. at 161-163.

Blume discussed the issue of proposed cost recovery for the period June 30, 2003. The Company had requested that it receive recovery for costs totaling \$9,880,038. As a result of the Staff's audit, there are recommended adjustments that result in a proposed reduction of \$321,652. Tr. at 201. This number is made up of several components, including adjustments to vault costs, direct labor, fringe costs, and direct materials. Tr. at

163-192. With regard to the reduction in direct materials, the proposed adjustment is related to the skid used to transport and to furnish support for the reactor pressure vessel shipped from the Maine Yankee facility after it is placed in the trench. Staff opined that the ownership of the skid is held by the transportation carrier and not Chem-Nuclear. This being the case, Staff noted that Chem-Nuclear would either need to charge some cost for the use of the skid as a support mechanism or have the vessel removed from the transporting skid and supported in the trench by some other means, which would have to be the responsibility of Chem-Nuclear to provide. This appears to have been the case in other shipments of waste to the burial site. Accordingly, Staff is recommending a disallowance of the requested coverage for the \$191,248 associated with the skid and instead proposes to use the contracted amount to determine the actual level of cost associated with disposal operations, which is \$164,894. This results in an adjustment reducing direct materials by \$26,354. This level was determined using the percentage associated with the \$16.9 million contract of which \$7.2 million was associated with disposal operations. Tr. at 184-185.

Blume also discussed a proposed elimination of \$123,698 from the Company's request for reimbursement until the Commission has been able to rule on the adequacy of the OEP. This represents the remaining one-half of the cost of the OEP as discussed in Order No. 2003-188.

Also, Blume proposed to reduce direct labor. An amount of \$57,058 of this reduction to direct labor related to FTE requirements as shown in the OEP. The Staff

Audit showed that the Company's FTE levels exceeded the level shown in the OEP by 1.41 FTEs. Tr. at 234.

With regard to the matter of the projected costs for the fiscal year ending June 2004, Blume noted that he had modified the position taken in his prefiled written testimony with regard to direct labor, indirect labor, and both direct and indirect fringes for FTEs after consideration of the testimony of Company witnesses Childs and Voit. Tr. at 236-237. Instead of proposing a level of direct labor of \$379,149, Blume proposed the amount of direct labor as \$420,056. Proposed indirect labor was \$1,243,064. Blume proposed instead \$1,451,811. Total increase in labor amounts to \$249,654. Blume noted that it did appear to the Staff that the five new variable cost rates proposed in the collaborative agreement, which were adjusted by the Staff, will have the result of recognizing needed reductions in labor as levels of waste are reduced as required by the Act. Witness Blume also stated that the sharing of the 5% difference between the Budget and Control Board and the Company as related to certain costs should also be handled in a manner that differs from that proposed in his direct testimony. It is Blume's opinion that the use of the five new variable rates would also eliminate the need for a sharing or 50/50 split of the differences noted between the two parties. The result of these changes as proposed by Blume would have the effect of increasing both labor and fringes as detailed in his report and testimony. As a result of these changes in labor, the dollar amount shown for direct fringe costs, \$159,031, should also be increased to an amount totaling \$176,003, and the amount for indirect fringes should increase from \$521,386 to \$608,307. The total increase in fringe costs as the result of the elimination of the

adjustment for FTEs and the 50/50 split totals \$103,893. Tr. at 237. Blume also noted that the new fringe rate of 41.9 percent should be used in 2004. Tr. at 238.

It should also be noted that the elimination of the splitting of the 5% difference as proposed by Blume in his direct testimony would also cause a change in the amount proposed by him for the indirect cost account, employee cost. His report and testimony showed a cost for this account totaling \$61,750. This amount would increase to a balance totaling \$70,000 as a result of not using the proposed 50/50 split.

The Commission Staff also used a 7 percent labor increase to recognize inflation for two years and a 4 percent increase for materials, as the result of the utilization of the collaborative agreement on the OEP plan. Tr. at 239.

Blume further noted that there are five new rates that are a part of the 2004 projected cost. These are vault labor cost from \$82.47 per vault, ABC waste labor rate of \$882.86 per total shipment, less slit trench shipments, slit trench labor rate of \$5,289.12 per total horizontal shipment, waste acceptance labor rate of \$257.86 per total shipment, and trench record labor rate of \$51.65 per container. Tr. at 239.

Lastly, Staff proposed rates for vault costs. The four rates that are being proposed are as follows: Class A waste, \$22.83 a cubic foot; Class B waste, \$23.78 per cubic foot; Class C waste, \$23.57 per cubic foot, and slit trench waste, \$91.04 cubic foot. Tr. at 240.

### **III. FINDINGS AND CONCLUSIONS**

1. The Public Service Commission of South Carolina is authorized and directed by S.C. Code Ann. Section 48-46-40(B) et seq. (Supp. 2003) to identify

allowable costs for operating a regional low-level radioactive waste disposal facility in South Carolina. The described facility is located in Barnwell, South Carolina.

2. Chem-Nuclear has operated the disposal site in question continuously since 1971 without interruptions. The site is comprised of approximately 235 acres of property owned by the State of South Carolina and leased by Chem-Nuclear from the Budget and Control Board.

3. The Commission Staff's adjustments are adopted, except that we grant the Company's request for the additional \$123,698 as reimbursement for the rest of the cost of the OEP. Company witness Childs presented evidence in the hearing that has convinced this Commission that the OEP should be officially adopted by us. It is so adopted. Staff witness Blume seemed to have no objection to the payment of these funds as long as this Commission was able to examine the OEP and subsequently adopted it. We specifically grant Staff's reduction to direct materials of \$26,354, and its adjustment to direct labor for the fiscal year ending June 30, 2003. We hold that the Staff's reasoning as explained by witness Blume, supra, is compelling.

With regard to the skid, we do not believe that a direct 50-50 split of cost can be made between transportation and disposal. There is no evidence in the record to support this proposition. Further, since the FTE's for fiscal year 2003 exceeded those found in the OEP, we believe that Staff's adjustment for direct labor for the fiscal year ending June 30, 2003 is the appropriate one.



4. We hold that Chem-Nuclear's current accounting system, the Cost Point System, accurately reports financial transactions, and that the present chart of accounts should continue to be used by Chem-Nuclear at this time.

5. Total direct, indirect, vault, and trench amortization costs and operating rights for fiscal year ending June 30, 2003 total \$9,682,084, and are detailed in the Appendix attached to this Order. These numbers are supported by the testimony and schedules of Staff witness Blume.

6. For the period ending June 30, 2004, total direct fixed costs amount to \$1,294,160. Total indirect fixed costs total \$3,347,663. Total fixed costs qualifying for operating margin treatment are \$4,641,823. Total costs including operating rights of \$625,000 totals \$5,266,823. Irregular costs as of the hearing date are \$1,781,870. Total fixed and irregular costs amount to \$7,048,693. These numbers are detailed in the Appendix to this Order, and are also supported by the testimony and schedules of Staff witness Blume.

7. Variable Cost Rates for the period ending June 30, 2004 are as follows:

Class A Waste	\$22.83 per cubic foot
Class B Waste	\$23.78 per cubic foot
Class C Waste	\$23.57 per cubic foot
Slit Trench Waste	\$91.04 per cubic foot
Vault Labor Rate	\$82.47 per vault
A, B, & C Waste Labor Rate	\$882.86 per total shipments less slit shipments
Slit Trench Labor Rate	\$5,289.12 per total horizontal shipments

Waste Acceptance Labor Rate      \$257.86 per total shipments

Trench Record Labor Rate      \$51.65 per containers

All figures are supported by the testimony and exhibits of Staff witness Blume and are detailed in the Appendix to this Order.

8.      The Key Manager and Employee Compensation Plan employed by Chem-Nuclear shall be continued.

9.      Chem-Nuclear shall continue to submit monthly reports of variable cost data to the Commission as required by Commission Order No. 2001-499.

10.      This Order shall remain in full force and effect until further Order of the Commission.

BY ORDER OF THE COMMISSION:

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Mignon L. Clyburn  
Chairman

ATTEST:

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Bruce F. Duke  
Executive Director

(SEAL)

**APPENDIX-Order No.****Docket No. 2000-366-A****14-May-04****Page 1 of 4****Chem Nuclear Systems LLC****Commission Reimbursable Costs****Fiscal Year Ending June 30, 2003**

<u>Description</u>	<u>Reimbursable Cost</u>
<b><u>Waste Dependent Cost</u></b>	
Vault and Trench Amortization Cost	<u>1,479,521.00</u>
<b><u>Direct Costs</u></b>	
Exempt Labor-Includes Waste Dependent Labor	1,321,876.00
Subcontract ODC Labor	65,508.00
Overtime	45,698.00
Fringe Benefits-Includes Waste Dependent Fringes	499,438.00
Direct Materials	440,966.00
Contract Services	583,734.00
Equipment Leases	286,771.00
Insurance Premiums	725,205.00
Miscellaneous/ODC	1,386.00
Machine & Equipment Maintenance	50,117.00
Federal Express & Postage	6,016.00
Laboratory/Safety Services and Supplies	1,427.00
Travel	3,255.00
Total Direct Cost	<u>4,031,397.00</u>
Total Direct Cost & Vault and Trench Amortization Cost	<u>5,510,918.00</u>
<b><u>Indirect Cost</u></b>	
Exempt Labor-Includes Semi Variable Labor	<u>977,016.00</u>
Fringe Benefits-Includes Semi Variable Fringes	<u>487,572.00</u>
Overtime	1,003.00
Temporary Labor	<u>252.00</u>
Consultants	274,061.00
Medical Examinations	12,286.00
Laboratory Services	3,488.00
Total	<u>289,835.00</u>
Depreciation	328,894.00
Machine/Equipment Maintenace-Rental	<u>102,735.00</u>
Dues and Subscriptions	69,795.00
Education/Training	8,839.00
Advertising/Recruiting	(12,434.00)
Employee Cost	904.00
Total	<u>67,104.00</u>
Miscellaneous	76,991.00
Office Supplies	40,413.00
Postage	10,280.00
Total	<u>127,684.00</u>

**APPENDIX-Order No.  
Docket No. 2000-366-A  
14-May-04  
Page 2 of 4**

**Chem Nuclear Systems LLC  
Commission Reimbursable Costs  
Fiscal Year Ending June 30, 2003**

<b><u>Description</u></b>	<b><u>Reimbursable Cost</u></b>
Travel	<u>59,160.00</u>
Telephone	80,850.00
Utilities	<u>110,279.00</u>
Total	<u>191,129.00</u>
Management Fees/G&A Allocation	<u>824,418.00</u>
Total Indirect Costs	<u>3,456,802.00</u>
Total Costs Allowed for Reimbursement and 29% Operating Margin	<u>8,967,720.00</u>
Retention Labor Costs	89,364.00
Operating Rights	<u>625,000.00</u>
Total Costs Reimbursed without Operating Margin	<u>714,364.00</u>
Total Direct, Indirect, Vault and Trench Amortization Costs and Operating Rights	<u><u>9,682,084.00</u></u>

**APPENDIX-Order No.**

Docket No. 2000-366-A

May 14, 2004

Page 3 of 4

Chem Nuclear Systems

Commission Approved Costs

Fiscal Year Ending June 30, 2004

<u>Description of Costs</u>	<u>Account #</u>	<u>Costs Per Staff</u>
<u>Direct Costs</u>		
Direct Labor	5110-10	<u>420,056.00</u>
Direct Fringes	F113-OH	<u>176,003.00</u>
Equipment 11.01.01	5230-10	294,500.00
Maintenance 11.01.04	5240-90	28,600.00
R&M Equipment Maintenance 11.01.09	5310-13	85,000.00
Contract Services 11.01.03	5310-19	109,598.00
Materials 11.01.02	5310-90	62,400.00
Other Direct Costs 11.01.07	5310-90	50,403.00
Project Costs 11.01.10	5310-90	58,600.00
Federal Express & Postage 11.01.08	5320-20	3,000.00
Travel 11.01.06	5410-10	<u>6,000.00</u>
Total Direct Costs other than Labor & Fringes		<u>698,101.00</u>
Total Direct Fixed Costs		<u>1,294,160.00</u>
<u>Indirect Costs</u>		
Indirect Labor	7110-10 & 8110-10	1,451,811.00
Indirect Fringes	F113-OH	<u>608,307.00</u>
Building Utilities 11.02.04	7220	198,100.00
Equipment 11.02.06	7230	52,150.00
Office Supplies & Expenses 11.02.03	7310	93,600.00
Travel 11.02.01	7410	53,000.00
Employee Costs 11.02.02	7520	70,000.00
Services 11.02.05	7570	134,695.00
Management Fee/G&A Allocation	HBUD-10	<u>686,000.00</u>
Total Indirect Costs other than Labor & Fringes		<u>1,287,545.00</u>
Total Indirect Fixed Costs		<u>3,347,663.00</u>
Total Fixed Costs Qualifying for Operating Margin		4,641,823.00
Operating Rights	8999	<u>625,000.00</u>
Total Fixed Costs		5,266,823.00
Irregular Costs as of Hearing		<u>1,781,870.00</u>
Total Fixed and Irregular Costs		<u><u>7,048,693.00</u></u>

**APPENDIX-Order No.**  
**Docket No. 2000-366-A**  
**Fiscal Year Ending June 30, 2004**  
**Page 4 of 4**  
**Chem Nuclear Systems**  
**Commission Approved Costs**  
**Fiscal Year Ending June 30, 2004**

<u>Variable Costs Rates</u>	<u>Costs</u>	<u>Variable Factor</u>
Class A Waste	<u>22.83</u>	Per Cubic Foot
Class B Waste	<u>23.78</u>	Per Cubic Foot
Class C Waste	<u>23.57</u>	Per Cubic Foot
Slit Trench Waste	<u>91.04</u>	Per Cubic Foot
Vault Labor Rate	<u>82.47</u>	Per Vault
A, B, & C Waste Labor Rate	<u>882.86</u>	Per Total Shipments less Slit Shipments
Slit Trench Labor Rate	<u>5,289.12</u>	Per Total Horizontal Shipments
Waste Acceptance Labor Rate	<u>257.86</u>	Per Total Shipments
Trench Record Labor Rate	<u>51.65</u>	Per Container

**BEFORE  
THE PUBLIC SERVICE COMMISSION  
OF  
SOUTH CAROLINA**

**DOCKET NO. 2000-366-A**

**IN THE MATTER OF:**

Application of Chem-Nuclear Systems, LLC ) for Identification of Allowable Costs )	<b>CERTIFICATE OF SERVICE (U.S. Postal Service-First Class Mail)</b>
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I, Dale E. Davis, do hereby certify that I have on the date indicated below served the following named individual(s) with one (1) copy of the pleading(s) listed below by U.S. First Class Mail with sufficient postage attached and return address clearly marked.

**PARTIES SERVED:**

Mr. Regan E. Voit, President  
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Columbia, SC 29210

Mr. Charles W. Condon  
Attorney General  
State of South Carolina  
Post Office Box 11549  
Columbia, SC 29211

Mr. Benjamin A. Johnson, Chairman  
Atlantic Compact Commission  
Post Office Drawer 12070  
Rock Hill, SC 29731

Mr. Henry Porter, Assistant Direct  
Division of Waste Management  
DHEC  
2600 Bull Street  
Columbia, SC 29201

Mr. Bill Newberry, Manager  
Radioactive Waste Disposal Program  
State Energy Office  
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Samuel L. Finklea, Esquire  
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SC Department of Health and  
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May 14, 2004

Page 2

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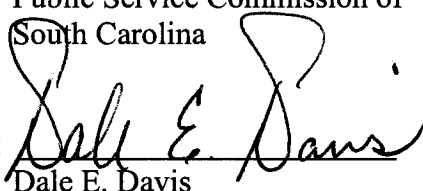
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**PLEADING(S): Proposed Order Identifying Allowable Costs**

**Legal Department**  
Public Service Commission of  
South Carolina  
By:   
Dale E. Davis

Columbia, South Carolina  
May 14, 2004